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(54) Title: HETEROGENISATION OF POLYMERISATION CATALYSTS BY IONIC LIQUIDS

(57) Abstract: The present invention discloses a method for preparing a dissolved catalyst component comprising the steps of: a) providing a halogenated precursor component of formula (I) X-[CH<sub>2</sub>-] b) reacting the halogenated bisimine precursor with an ionic liquid precursor in a solvent to prepare an ionic liquid; c) mixing in a solvent one equivalent of the ionic liquid prepared in step b) with a metallic complex of formula (II) L<sub>2</sub>MY<sub>2</sub> wherein L is a coordinating ligand for the metallic site, said coordination being achieved by phosphorus, nitrogen or oxygen; d) evaporating the solvent; and e) retrieving a hybrid single site catalyst component/ionic liquid system. It also discloses an active catalyst system heterogenised by an ionic liquid and its use in the polymerisation of olefins.

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